



STATE OF WASHINGTON  
DEPARTMENT OF LABOR AND INDUSTRIES

Prevailing Wage  
PO Box 44540 • Olympia, Washington 98504-4540  
360/902-5335 Fax 360/902-5300

April 25, 2008

Louise Petersen  
David Petersen  
The Fiber Guys, LLC.  
3929 SW 29<sup>th</sup> Ct.  
Gresham, OR 97080

Dear Louise and David Petersen:

Re: Scope of work for fiber-optic cable installations

You asked for a determination of the appropriate work classification to be used for fiber-optic cable installation.

The answer below is based on the information provided by you and Sound Transit. References to the Revised Code of Washington (RCW) and the Washington Administrative Code (WAC) are included. Again, this answer is based on your fact set. If the facts differ from those provided, the answers may be different.

The fiber-optic cable was installed on the Sound Transit Seattle Link Light Rail Project on contract numbers C803 and C807. C803 is a communications package with voice and data elements. C807 is traction power including lineman activity, some D.C. high voltage and the fiber-optic connects to devices monitoring the system activity. Your information did not specify any work on C802, a signalization system without voice transmission.

The scope of work for Inside Wireman Electricians (WAC 296-127-01323) applies to some installation of fiber-optic cable: "The installation of conduit and interduct raceways for fiber optic cable and the pulling of fiber optic cable through these raceways, except telephone conduit and cable." Note the limited exception for "telephone conduit and cable." The Inside Wireman Electrician rates will apply to fiber-optic cable work that does not fit within the specific exception.

Louise Petersen & David Petersen Letter

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The scope of work for Outside Telephone Line Construction (WAC 296-127-01377) may be used for telephone lines not inside of buildings including fiber-optic telephone lines. By definition, telephone must include transmission of voice over distance. It may also carry data, television, internet, and other signals so long as it has the required voice over distance transmission.

The Sound Transit fiber-optic cable systems not within buildings that carry voice transmissions may be installed by an Outside Telephone Line Construction Worker. The fiber-optic cable that does not carry voice transmissions must be installed by workers paid at the prevailing rate of pay for the Inside Wireman Electrician.

This determination does not address fiber-optic telephone cable inside of buildings. Such further determination would require an additional set of facts.

Please remember, new or different facts may change the answers provided. Having full and accurate information is essential to determinations of the prevailing rate of wage required on public works.

Washington State prevailing wage information, including the WACs, are available on the Department's web site: <http://www.lni.wa.gov/TradesLicensing/PrevWage/default.asp>

I hope this answers your questions. If you need additional information or have questions, please call or email me at 360 902-5330 or [somd235@lni.wa.gov](mailto:somd235@lni.wa.gov).

Sincerely,

David J. Soma  
Industrial Statistician  
Prevailing Wage Program Manager

**Herman, Laura E (LNI)**

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**From:** thefiberguys@aim.com  
**Sent:** Tuesday, April 22, 2008 3:07 PM  
**To:** Herman, Laura E (LNI)  
**Subject:** Re: Sound transit fiber optic

CCTV - closed circuit TV - carries video  
PA - public address - carries voice  
VMS - voice messaging system - carries voice

Louise M. Petersen & David Petersen  
(503) 572-1023 --- (503) 572-1021

The Fiber Guys, LLC - WBE,ESB,DBE Certificate #2824  
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fax(503) 954-1158

-----Original Message-----

**From:** Herman, Laura E (LNI) <herq235@LNI.WA.GOV>  
**To:** thefiberguys@aim.com  
**Sent:** Mon, 21 Apr 2008 6:15 pm  
**Subject:** RE: Sound transit fiber optic

OK - There's something I am not understanding - I was led to believe that C807 was the overhead traction power (not fiber-optic). Please help me with that.

Laura Herman  
Industrial Relations Specialist  
Prevailing Wage  
Department of Labor and Industries  
(360) 902-5311

---

**From:** thefiberguys@aim.com [mailto:thefiberguys@aim.com]  
**Sent:** Monday, April 21, 2008 5:48 PM  
**To:** Herman, Laura E (LNI)  
**Subject:** Re: Sound transit fiber optic

we did the splicing on c807

Louise M. Petersen & David Petersen  
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-----Original Message-----

From: Herman, Laura E (LNI) <herq235@LNI.WA.GOV>  
To: [thefiberguys@aim.com](mailto:thefiberguys@aim.com)  
Cc: Soma, David (LNI) <SOMD235@LNI.WA.GOV>  
Sent: Mon, 21 Apr 2008 3:52 pm  
Subject: RE: Sound transit fiber optic

Thank you!

If you can, please help me sort out a little more:

Your Intent lists contract numbers C803-C807. I am led to believe that C807 is not anything to do with the fiber-optic cable. Was your work all on C803?

I do understand that you worked only on the fiber-optic cable and not on any systems that will be energized - Is that correct?

Please help me get the acronyms correct:

CCTV = Closed Circuit TV?

PA = Public Address????

VMS = ?

Which of these systems carry voice?

Connections to the Comm Backbone/WAN  
Integration into the Central Control System  
Integration into the Field Control System  
CCTV Connectivity  
PA and VMS Control frm Central Control  
Network Management System Connectivity.

Sorry for all the details - We hope to provide one, comprehensive answer.

Thanks!

Laura

Laura Herman  
Industrial Relations Specialist  
Prevailing Wage  
Department of Labor and Industries  
(360) 902-5311

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**From:** [thefiberguys@aim.com](mailto:thefiberguys@aim.com) [<mailto:thefiberguys@aim.com>]  
**Sent:** Monday, April 21, 2008 3:29 PM  
**To:** Heiman, Laura E (LNI)  
**Subject:** Fwd: Sound transit fiber optic

Laura,

Sorry it took a while to get this information back to you. I had to request it from our contractor to be certain. Please see below. Thanks

Louise M. Petersen & David Petersen  
(503) 572-1023 --- (503) 572-1021

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-----Original Message-----

**From:** Walead.Atiyeh <[WAtiyeh@MassElec.Com](mailto:WAtiyeh@MassElec.Com)>  
**To:** [thefiberguys@aim.com](mailto:thefiberguys@aim.com); [mswanson@usiwa.com](mailto:mswanson@usiwa.com); Kevin.Harrington <[kharrington@masselec.com](mailto:kharrington@masselec.com)>  
**Sent:** Mon, 21 Apr 2008 1:47 pm  
**Subject:** RE: Sound transit fiber optic

General use of the fiber is for:

Connections to the Comm Backbone/WAN  
Integration into the Central Control System  
Integration into the Field Control System  
CCTV Connectivity  
PA and VMS Control frm Central Control  
Network Management System Connectivity.

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**From:** [thefiberguys@aim.com](mailto:thefiberguys@aim.com) [<mailto:thefiberguys@aim.com>]  
**Sent:** Monday, April 21, 2008 1:39 PM  
**To:** [mswanson@usiwa.com](mailto:mswanson@usiwa.com); Kevin.Harrington; Walead.Atiyeh  
**Subject:** Fwd: Sound transit fiber optic

Does anyone know the answer to this question so i can get back with the state (second

request) Thanks

Louise M. Petersen & David Petersen  
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-----Original Message-----

From: [thefiberguys@aim.com](mailto:thefiberguys@aim.com)  
To: [mswanson@usiwa.com](mailto:mswanson@usiwa.com); [kharrington@masselec.com](mailto:kharrington@masselec.com); [watiyeh@masselec.com](mailto:watiyeh@masselec.com)  
Sent: Thu, 17 Apr 2008 3:04 pm  
Subject: Fwd: Sound transit fiber optic

State of washington is wanting to be sure that the fiber optic cable is being used for communications purposes. They have one more question. Could you please help in answering the question below. Dave and I do not know beyond our part. Thanks

Louise M. Petersen & David Petersen  
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-----Original Message-----

From: Herman, Laura E (LNI) <[herq235@LNI.WA.GOV](mailto:herq235@LNI.WA.GOV)>  
To: [thefiberguys@aim.com](mailto:thefiberguys@aim.com)  
Sent: Thu, 17 Apr 2008 1:48 pm  
Subject: RE: Sound transit fiber optic

Louise and David,

Still on this - My boss is asking for greater detail on what types of communications and communication devices use this fiber-optic cable. Any help you can provide in contacts with that knowledge would be most helpful.

Thanks!

Laura

Laura Herman  
Industrial Relations Specialist  
Prevailing Wage

Department of Labor and Industries  
(360) 902-5311

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**From:** thefiberguys@aim.com [mailto:thefiberguys@aim.com]  
**Sent:** Friday, April 11, 2008 3:13 PM  
**To:** Herman, Laura E (LNI)  
**Subject:** Re: Sound transit fiber optic

The fiber optic cable was hand pulled through existing path way, conduit, and innerduct - through portion of railway tunnel as well as exterior railway to communication buildings/rooms/pedastool. Through underground to utility vaults. Fiber optic cable secured with zip ties in exposed areas of utility vaults/buildings/rooms/pedastools. No interior building placement of fiber cable. All pulled to building not inside. This was for the communication rooms non energized cable. Tasks involved, pick up fiber optic cable reel, uncoil fiber optic cable, attach pull string pull uncoiled cable through utility vault in to conduit/inner duct to end location.

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-----Original Message-----

**From:** Herman, Laura E (LNI) <herq235@LNI.WA.GOV>  
**To:** thefiberguys@aim.com  
**Cc:** Soma, David (LNI) <SOMD235@LNI.WA.GOV>  
**Sent:** Thu, 10 Apr 2008 5:25 pm  
**Subject:** Sound transit fiber optic

Louise,

We are working on your inquiry. Would you help me visualize what tasks are involved in the installation of this fiber optic cable? How it is run, how it is secured, what the fiber optic cable runs through (tray, pipe, conduit, etc.), where the fiber optic cable is located (on a pole, underground, in a utility vault, etc.)... that kind of info will make it easier to write an answer that truly addresses all your facts and help that writing withstand any critical scrutiny.

Thanks!

Laura

Laura Herman, Industrial Relations Specialist  
Department of Labor and Industries

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